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NOTICE OF ALLOWANCE AND FEE(S) DUE

23416

7590

05/06/2003

CONNOLLY BOVE LODGE & HUTZ, LLP 1220 N MARKET STREET P O BOX 2207 WILMINGTON, DE 19899

EXAMINER	
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HUTSON, RICHARD G

ART UNIT C

CLASS-SUBCLASS

1652

435-195000

DATE MAILED: 05/06/2003

APPLICATION NO. FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/720,529	12/20/2000	Rebecca E. Cahoon	BB-1118-A	2357

TITLE OF INVENTION: CHROMATIN ASSOCIATED PROTEINS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$0	\$1300	08/06/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

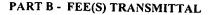
If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE Commissioner for Patents

Alexandria, Virginia 22313-1450

<u>Fax</u> (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where as or

maintenance fee notification	15	· 2.00 1, by (u) .	specifying a new cones	naintenance pondence a	fees will be mailed to the curren ddress; and/or (b) indicating a sep	t correspondence address parate "FEE ADDRESS" f
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) 23416 7590 05/06/2003			e Block I) No	Note: A certificate of mailing can only be used for domestic mailings of the		
CONNOLLY BO	VE LODGE & HU	TZ, LLP	ac	c(s) trans	mittal. This certificate cannot paper, graphers. Each additional paper, graphers that have its own certificate of r	be used for any othe
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						(Depositor's name
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						(Date
APPLICATION NO.	FILING DATE	FIR	ST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/720,529 TITLE OF INVENTION: CI	12/20/2000		Rebecca E. Cahoon		BB-1118-A	2357
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICAT	ION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$0	· · · · · · · · · · · · · · · · · · ·	\$1300	08/06/2003
EXAMIN	ER	ART UNIT	CLASS-SUBCLASS	\neg		
HUTSON, RIC	CHARD G	1652	435-195000	J		
"Fee Address" indication PTO/SB/47; Rev 03-02 on Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless an been previously submitted to (A) NAME OF ASSIGNEE Please check the appropriate at 4a. The following fee(s) are end Issue Fee Publication Fee Advance Order - # of Cop	nce address (or Change of C2) attached. In (or "Fee Address" Indicate or more recent) attached. Use RESIDENCE DATA TO Be assignee is identified below the USPTO or is being su assignee category or category or category inclosed:	correspondence ion form of a Customer E PRINTED ON THE w, no assignee data w comitted under separate (B) RE ies (will not be printed 4b. Pay A ch Payn The Deposit	ill appear on the patent cover. Completion of the SIDENCE: (CITY and don the patent) ment of Fee(s): eck in the amount of the theorem of the commissioner is hereby the Account Number	a registered natively, (2) as a memind the nar meys or age be printed. Inclusion of his form is not a mindividual to be fee(s) is en n PTO-2038 and authorized	patent attorneys the name of a ber a registered nes of up to 2 ents. If no name 3 f assignee data is only appropriate NOT a substitute for filing an assign COUNTRY) corporation or other private gro closed. B is attached. by charge the required fee(s), or cru enclose an extra copy of this for	oup entity government government government government, to
	equested to apply the Issue		ee (if any) or to re-apply	any previo	usly paid issue fee to the applicatio	n identified above.
NOTE; The Issue Fee and other than the applicant; a interest as shown by the reco This collection of informatic obtain or retain a benefit by application. Confidentiality is estimated to take 12 minutes completed application form case. Any comments on the suggestions for reducing this Patent and Trademark Off 22313-1450. DO NOT SES SEND TO: Commissioner for	registered attorney or ageing of soften United States Pat on is required by 37 CFR the public which is to file s governed by 35 U.S.C. It to complete, including gat to the USPTO. Time will e amount of time you re burden, should be sent to fice, U.S. Department of the USPTO.	at; or the assignee or cent and Trademark Of	other party in			

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P O BOX 2207	I DE 10000		ART UNIT	PAPER NUMBER
WILMINGTON	N, DE 19899		1652	
			DATE MAILED: 05/06/2003	

Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.



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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/720,529	09/720,529 12/20/2000		Rebecca E. Cahoon	BB-1118-A 2357	
23416	7590	05/06/2003		EXAMIN	ER
CONNOLLY 1220 N MARK		DGE & HUTZ, LI [[]	LP .	HUTSON, RIC	CHARD G
P O BOX 2207				ART UNIT	PAPER NUMBER
WILMINGTON	l, DE 19899	•		1652	
				DATE MAILED: 05/06/2003	

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

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<u> </u>	Application No.	Applicant(s)	
		CAHOON ET AL.	
6 4 11 E-11/4 4	09/720,529	Art Unit	
Notice of Allowability	Examinei		
	Richard G Hutson	1652	
The MAILING DATE of this communication application application (PTOL-8) rewith (or previously mailed), a Notice of Allowance (PTOL-8) the Office or upon petition by the applicant. See 37 CFR 1.3. □ This communication is responsive to paper filed 2/11/20. □ The allowed claim(s) is/are 12-18 and 22. □ The drawings filed on are accepted by the Examination of the priority documents in the communication is made of a claim for foreign priority in the allowed generation of the priority documents in the communication of the certified copies of the priority documents in the communication of the certified copies of the priority documents in the communication of the foreign language provision of the certified copies in the certified copies of the priority documents in the certifi	pears on the cover she S (OR REMAINS) CLOS S) or other appropriate of RIGHTS. This application 13 and MPEP 1308. O3. Iner. Junder 35 U.S.C. § 119(a) ave been received. ave been received in All documents have been by under 35 U.S.C. § 11 atal application has been ty under 35 U.S.C. § 11 atal application has been ty under 35 U.S.C. § 11 atal application has been ty under 35 U.S.C. § 11	eet with the correspondence acceptance in this application. If not incommunication will be mailed in con is subject to withdrawal from it is subject to withdrawal fr	ssue at the initiative plication from the requirements noted NOT EXTENDABLE
7. A SUBSTITUTE OATH OR DECLARATION must be s INFORMAL PATENT APPLICATION (PTO-152) which gives	submitted. Note the atta reason(s) why the oath	or declaration is deficient.	
8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draf	tsperson's Patent Draw	ing Review (PTO-948) attached	
1) \square hereto or 2) \sqcup to Paper No		which has been approved b	by the Examiner.
 (b) ☐ including changes required by the proposed drawn (c) ☐ including changes required by the attached Example. 	wing correction mos	omment or in the Office action of	Paper No
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(0)	CFR 1.84(c)) should be v	ritten on the drawings in the front	(not the back) or
(c) including changes required by the distance (see 37)	G. 14 114 1(4)/		
each sheet.		NAL MATERIAL must be subr	nitted. Note the
each sheet. 9. DEPOSIT OF and/or INFORMATION about the attached Examiner's comment regarding REQUIREMENT I	deposit of BIOLOGIO FOR THE DEPOSIT OF	E BIOLOGICAL MATERIAL.	
Attachment(s) 1⊠ Notice of References Cited (PTO-892) 3□ Notice of Draftperson's Patent Drawing Review (PTO-5⊠ Information Disclosure Statements (PTO-1449), Pape 7□ Examiner's Comment Regarding Requirement for Depos	948) 4 r No. <u>2,3</u> . 6	Notice of Informal Patent App Interview Summary (PTO-413 Examiner's Amendment/Com Examiner's Statement of Rea Other	ment

Application/Control Number: 09/720,529

Art Unit: 1652

#13/C
Page 2 RHUS 5/11/03

DETAILED ACTION

Applicants amendment of the specification and cancellation of claims 1-11, Paper No. 11, 2/11/2003, is acknowledged.

Claims 12-22 are present for examination.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark Freeman on April 25, 2003.

The application has been amended as follows:

Cancel claims 19-21 without prejudice.

In claim 12 (a) delete "multiple alignment default parameters of GAP PENALTY=10 and GAP LENGTH PENALTY=10, and".

In claim 12 (b) after "complement of the nucleotide sequence", insert "of (a)".

In the specification on page 4, line 34 and at page 16, line 18, change "KTUPLE 1" to "KTUPLE=1".

Application/Control Number: 09/720,529

Art Unit: 1652

The following is an examiner's statement of reasons for allowance: The prior art does not teach or suggest a nucleotide sequence which encodes a polypeptide having histone deacetylase activity wherein the polypeptide has an amino acid sequence of at least 95% sequence identity to SEQ ID NO: 4. Such histone deacetylase encoding nucleic acids may be useful in boosting plant defense mechanisms related to hyperacetylation of histones as discussed in Baldwin et al. (U.S. Patent No. 6,287,843 B1, column 10 through column 12).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard G Hutson whose telephone number is (703) 308-0066. The examiner can normally be reached on 7:30 am to 4:00 pm, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapu Achutamurthy can be reached on (703) 308-3804. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-3014 for regular communications and (703) 305-3014 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0196.

Richard Hutson, Ph.D. Primary Patent Examiner Art Unit 1652 May 1, 2003